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NOTICE OF ALLOWANCE AND FEE(S) DUE

25944 7590 04/29/2008

OLIFF & BERRIDGE, PLC
P.O. BOX 320850
ALEXANDRIA, VA 22320-4850

EXAMINER

TURNER, ASHLEY D

ART UNIT

PAPER NUMBER

2154

DATE MAILED: 04/29/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/538,805

06/13/2005

Kenichi Sawada

124235

8807

TITLE OF INVENTION: SUPPORT PROGRAM FOR WEB APPLICATION SERVER AND SERVER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$720	\$300	\$0	\$1020	07/29/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

25944 7590 04/29/2008

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Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/538,805 06/13/2005 Kenichi Sawada 124235 8807

TITLE OF INVENTION: SUPPORT PROGRAM FOR WEB APPLICATION SERVER AND SERVER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$720	\$300	\$0	\$1020	07/29/2008

EXAMINER	ART UNIT	CLASS-SUBCLASS
TURNER, ASHLEY D	2154	709-217000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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10/538,805	06/13/2005	Kenichi Sawada	124235	8807
25944	7590	04/29/2008	EXAMINER	
OLIFF & BERRIDGE, PLC P.O. BOX 320850 ALEXANDRIA, VA 22320-4850			TURNER, ASHLEY D	
			ART UNIT	PAPER NUMBER
			2154	
DATE MAILED: 04/29/2008				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 625 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 625 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.

10/538,805

Examiner

ASHLEY D. TURNER

Applicant(s)

SAWADA, KENICHI

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/13/2005.
2. ☒ The allowed claim(s) is/are 1-10.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 6/13/2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/Nathan J. Flynn/

DETAILED ACTION

1. **Claims 1-10 is allowed.**

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee. Authorization for this examiner's amendment was given in a telephone interview with Dave Tucker on 3/17/2008.

3. The application has been amended as follows:

- a. Claims 1-10 is allowed.

- b. Claim 1. **(Currently Amended)** A support program ~~computer~~ storage portion contain for a web application server, said support program adapted for making a controller for the web application server execute processing (1) to (6) recited below, said controller being adapted to send web information to a client by using a communication unit, receive reply information with respect to said web information from said client via the communication unit, store the reply information into a storage unit and

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execute, according to processing steps of a series of said processings stored in said storage unit, processings based on said reply information: (1) information-adding processing for adding client-specifying information to specify said client and web-specifying information to specify said web information to the web information; (2) information-sending processing for sending said web information to which said client-specifying information and said web-specifying information are added to said client in a specified one of said processing steps by using said communication unit; information-storing processing for storing said client-specifying information and said web-specifying information which are added to said web information and processing information related to said specified processing step at the time when said web information is sent to said client, into said storage unit every time said web information is sent to said client; (4) information-receiving processing for receiving the reply information returned from said client via said communication unit; (5) reply information-detecting processing for detecting whether or not the client-specifying information and the web-specifying information are included in the received reply information; and (6) service 'executing processing for obtaining a processing step subsequent to the processing step determined based on said processing information stored in said storage unit from said storage unit and executing the subsequent processing step when the client-specifying information and the web-specifying information are detected from said reply information and said detected client-specifying information and said web-specifying information are identical with said client-specifying information and said web-specifying information stored in said storage unit, respectively, and for executing the processing step

determined based on said processing information stored in said storage unit again when the client-specifying information and the web-specifying information are 15 detected from said reply information and said detected client-specifying information is identical with said client-specifying information stored in said storage unit but said web-specifying information detected from said reply information is different from said web-specifying information stored in said storage unit.

Claim 2. **(Currently Amended)** ~~The support program~~ computer storage portion contain for the web application server according to claim 1, ~~characterized wherein~~ said storage unit comprises a data-declaration part to be used in said series of the processings as work areas for respective setting items of member variables and a data-storage part for storing data included in said reply information in said series of the processings for the respective setting items, and said support program for the web application server have said controller: discriminate, when a data entry form for having said client to input the data is included in said web information, a kind of a setting item of the input data to be inputted in said data entry form by said data-declaration part and store the kind of the setting item of the input data into said storage unit together with said client-specifying information, said web-specifying information and said processing information in said information-storing processing at the time when the web information is sent to said client; and store, when the client-specifying information and the web-specifying information detected from said reply information are identical with said client-

specifying information and said web-specifying information stored in said storage unit, respectively, and the kind of the setting item of the input data detected from said reply information is identical with the kind of setting item of the input data stored in said storage unit, said detected input data into said data-storage part for the respective setting items in said service-executing processing.

Claim 3. **(Currently Amended)** ~~The support program~~ computer storage portion contain for the web application server according to claim 2, ~~characterized wherein~~, when a plurality of said data entry forms are included in said web information and when the kinds of the setting item of the input data to be inputted according to said data entry form overlap, said support program for the web application server have said controller: execute identifier-adding processing for adding an identifier for carrying out identification of the input data in which the kinds of the setting item overlap to every said data entry form and including the data entry forms in said web information, and at the same time, associate the kinds of the setting item of the input data inputted by said data entry forms with said identifiers and store the kinds of the setting item into said storage unit in said information-storing processing; and discriminate, when the kinds of the setting item of said input data detected from said reply information and the kinds of the setting item stored in said storage unit correspond at every identical identifier, the setting items of said detected input data based on the identifiers stored in said storage unit and store them into said data-storage part for the respective setting items in said service-executing processing.

Claim 4. **(Currently Amended)** ~~The support program~~ computer storage portion contain for the web application server according to claim 1, ~~characterized in that~~ wherein a parallel processing is implemented in said web application server by: saving information necessary to carry out said information-receiving processing in said storage unit to have said 20 controller to execute other processing after said information-storing processing; and restoring said saved information to have said controller to resume said reply information-detecting processing when receiving said reply information in said information-receiving processing.

Claim 5. **(Currently Amended)** ~~A support program~~ computer storage portion contain for a web application server, said support program adapted for making a controller for the web application server execute processings (1) to (6) recited below, said controller being adapted to send web information in which a data entry form for having a client to input data is included to said client by using a communication unit, receive the input data inputted according to said data entry form from said client as reply information via the communication unit, and store said input data into a storage unit comprising a data-declaration part used as work areas for respective setting items of member variables and a data-storage part for storing the data included in said reply information for the respective setting 10 items: (1) information-adding processing for adding the data entry form for having said client to input the data to the web information; (2) information-sending processing for sending said web information to which said data entry form is

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added to said client by using said communication unit; (3) information-storing processing for discriminating a kind of a setting item of the input data to be inputted in said data entry form by said data-declaration part stored in said storage unit and storing the kind of the setting item of the input data into said storage unit 20 every time said web information is sent to said client; (4) information' receiving processing for receiving the reply information returned from said client via said communication unit; (5) reply information-detecting processing for detecting whether or not said input data is included in the received reply information; and (6) service-executing processing for, when said input data is detected from said reply information and the kind of the setting item of the detected input data and the kind of the setting item stored in said storage unit are identical, storing said detected input data into said data-storage part for the respective setting items.

Claim 6. **(Currently Amended)** ~~The support program~~ computer storage portion contain for the web application server according to claim 5, characterized in that, when a plurality of said data entry forms are included in said web information and when the kinds of the setting item of the input data to be inputted according to said data entry form overlap, said support program for the web application server have said controller: execute identifier' adding processing for adding an identifier for carrying out identification of the input data in which the kinds of the setting item overlap to every said data entry form and including the data entry forms in said web information, and at the same time, associate the kinds of the setting item of the input data inputted by said data

entry forms with said identifiers and store the kinds of the setting item into said storage unit in said information-storing processing; and discriminate, when the kinds of the setting item of said input data detected from said reply information and the kinds of the setting item stored in said storage unit correspond at every identical identifier, the setting items of said detected input data based on the identifiers stored in said storage unit and store them into said data-storage part for the respective setting items in said service-executing processing.

Claim 7. **(Currently Amended)** ~~The support program~~ computer storage portion contain for the web application server according to claim 5, ~~characterized in that~~ wherein a parallel processing is implemented in said web application server by: saving information necessary to carry out said information-receiving processing in said storage unit to have said controller to execute other processing after said information-storing processing; and restoring said saved information to have said controller to resume said reply information-detecting processing when receiving said reply information in said information-receiving processing.

REASONS FOR ALLOWANCE

4. The following is an examiner's statement of reasons for allowance: Applicant's claim to a computer storage portion contain (6) service executing processing for obtaining a processing step subsequent to the processing step determined based on

said processing information stored in said storage unit from said storage unit and executing the subsequent processing step when the client-specifying information and the web-specifying information are detected from said reply information and said detected client-specifying information and said web-specifying information are identical with said client-specifying information and said web-specifying information stored in said storage unit, respectively, and for executing the processing step determined based on said processing information stored in said storage unit again when the client-specifying information and the web-specifying information are 15 detected from said reply information and said detected client-specifying information is identical with said client-specifying information stored in said storage unit but said web-specifying information detected from said reply information is different from said web-specifying information stored in said storage unit. None of the prior arts of the search teach or suggest the claimed limitations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ashley D. Turner whose telephone number is 571-270-1603. The examiner can normally be reached on Monday thru Friday 7:30a.m.-5:00p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan J. Flynn can be reached on 571-272-1915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Ashley D Turner
Examiner
Art Unit 2154

ADT

/Nathan J. Flynn/

Supervisory Patent Examiner, Art Unit 2154